



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Choctaw BOE

Prepared By:  
Bubba Pope  
MS Forestry Commission

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-02-16

Plan Type:  
Stewardship / Stewardship

This plan was developed in accordance with the rules of the Stewardship program.

**Property Name: Dump S16-18N-10E**

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Choctaw BOE  
Mailing Address: PO Box 398  
City, State, Zip: Ackerman, MS 39735  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 662-285-6239  
Fax Number:  
  
E-mail Address:  
Social Security Number (optional):

**FORESTER INFORMATION**

Name: Bubba Pope , Service Forester  
Forester Number: 01004  
Organization: MS Forestry Commission  
Street Address: PO Box 295  
City, State, Zip: Ackerman, MS 39735  
Contact Numbers: Office Number: 662-285-6728  
Fax Number:  
  
E-mail Address: spope@mfc.state.ms.us

**PROPERTY LOCATION**

County: Choctaw    Total Acres: 645    Latitude: -89.25    Longitude: 33.42  
Section: 16    Township: 18N    Range: 10E

**DISCLAIMER**

Some forest practices may cause temporary adverse environmental or aesthetic impacts. These practices will only cause short-term adverse impacts where they are installed. Special efforts will be made to minimize adverse effects when carrying out any of the practices. Examples include: site preparation, planting, prescribed fires, firebreak installation and maintenance, road installation and maintenance, pesticide applications and timber harvesting.

This information was derived from a small sampling of the forest resources. It reflects a statistical estimation that is only intended to be accurate enough for the purposes of making decisions for the short-term management of these resources. These estimations are temporally static. Events and circumstances may occur within the survey area that will physically alter the forest resources and therefore will not be reflected in the plan.

**INTRODUCTION**

This Forest Stewardship Management Plan will serve as a guide for accomplishing the goals and objectives for your property. In addition to addressing your specific goals and objectives, this plan includes recommendations for maintaining soil and water quality and

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protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

## **OBJECTIVES**

### *Fire Protection*

The goal is to protect the resource from wildfires, by establishing and maintaining firebreaks around the property; annually inspect possible signs of insect infestations and disease; and prohibit grazing until terminal bud is beyond reach of livestock.

### *Timber Production*

The goal is to produce high quality sawtimber. This will be accomplished through reforestation and timber stand improvement practices such as herbicide applications, prescribed burning, thinning at specified intervals, and other silvicultural practices. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

## **PROPERTY DESCRIPTION**

### *General Property Information*

This section is known as the "Dump" section and is located on Prewitt Rd.. The majority of the section is loblolly pine. Dump has approximately 342 forested acres of various sized timber. This section has 290 non-forested acres. There are no management activities being recommended during this plan for the non-forested acres.

### *Water Resources*

One significant creek was identified during a reconnaissance of the property. Intermittent streams and drains were also identified and will be managed in accordance with Mississippi's Best Manage Practices.

### *Timber Production*

The goal is to maximize the production of high quality timber. This will be accomplished through the application of timely thinning and other silvicultural practices designed to enhance timber quality and growth. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

### *Threatened and Endangered Species*

No threatened and endangered species were identified during the reconnaissance and evaluation of your property.

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*Interaction with Surrounding Property*

Prescribed practices should be carried out in a manner that will minimize adverse impacts on surrounding properties. Consideration should be given to potential air, water, visual, and other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

*Soils General*

Soils were evaluated on the property to determine the suitability of the site for the proposed activities. Forest practices were planned so as to minimize erosion or other adverse effects on the soil. The following soils are identified for this property:

## **Archeological or Cultural Resources**

*Archeological or Cultural Resources*

These areas can range from churches, old cemeteries or Indian mounds to old home sites or other areas of historical significance.

This area has an old Cemetery located on it. This site has a buffer around the it. No forest management activities will occur inside of this protected area.

## **GENERAL PROPERTY RECOMMENDATIONS**

*Forest Protection*

A health vigorously growing stand is the best defense to an attack form a variety of forest insects, plants and pathogens.

*Insects and Diseases*

Trees are subject to attack from insects and diseases. Different insects and diseases affect trees according to the age, species, and condition of the trees. Planted stands of pines and pure stands of hardwoods are particularly susceptible to attack. Since there are many different insects and diseases, no attempt will be made here to explain all of them. The property should be inspected at least annually for possible signs of insect and disease activity. Some things to look for are:

- Unseasonable leaf fall
- Discoloration of leaves or needles
- Pitch pockets on pine trees
- Heavy defoliation of hardwood leaves
- Groups of three or more dying trees within a stand

This list does not cover all instances of insect or disease attacks. If anything unusual is noticed, report it to a forester. In most cases, insect and disease problems can be controlled if discovered early.

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**Fire Protection**

Your forest should be protected from wildfire at all times. The best way to protect your investment is by establishing and maintaining firebreaks around the property. Guidelines for establishment and maintenance of firebreaks may be found in Mississippi Forestry Commission publication #107, *Mississippi's Best Management Practices*

**Grazing**

Tree seedlings should be protected from grazing until such time as the terminal bud of the sapling is beyond reach of livestock. Domestic livestock should be denied access to the tree planting area.

**Boundary Lines**

Boundary lines will be maintained by the Mississippi Forestry Commission on a 4 year rotation. All lines will be marked in red or orange paint.

**SOIL TYPES**

*PoC2*

The Providence component makes up 90 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands. The parent material consists of silty loess over sandy marine deposits. Depth to a root restrictive layer, fragipan, is 18 to 38 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 87. Longleaf Site Index = 73.

*Ca*

The Cascilla component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 93.

*TaC2*

The Tippah component makes up 90 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands. The parent material consists of loess deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 26 inches during

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January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 78.

*PoB2*

The Providence component makes up 90 percent of the map unit. Slopes are 2 to 5 percent. This component is on uplands. The parent material consists of silty loess over sandy marine deposits. Depth to a root restrictive layer, fragipan, is 18 to 38 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. Loblolly Site Index = 87. Longleaf Site Index = 73.

*Bu*

The Bude component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on uplands. The parent material consists of loess deposits. Depth to a root restrictive layer, fragipan, is 18 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 11 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 90.

*OrD2*

The Ora component makes up 90 percent of the map unit. Slopes are 8 to 12 percent. This component is on uplands. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer, fragipan, is 18 to 42 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. Loblolly Site Index = 83.

*SwF*

The Sweatman component makes up 90 percent of the map unit. Slopes are 15 to 25 percent. This component is on uplands. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. Loblolly Site Index = 83.

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*SwE*

The Sweatman component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on uplands. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. Loblolly Site Index = 83.

*Ce*

The Chenneby component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 100.

## **STRATA**

*Strata 2*

Strata Description

Strata 2 - 137 Acres

Contains stand 3.

This area is 137 acres that was harvested, site prepped, and re-planted with genetically improved loblolly pines in 2003.

Strata Recommendations

This area should be looked at for a first thinning around the year 2018.

Activity Recommendations

Harvest

Recommended that this area be first thinned in the year 2018. The area should be thinned to 80 square feet basal area. This will be achieved by thinning the weaker and diseased trees first to achieve the 80 square feet basal area.

*Strata 3*



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Strata Description

Strata 3 - 109 Acres

Contains stand 4.

This is a 109 acres that was harvested, site prepped, and re-planted with loblolly pines in 2007.

Strata Recommendations

Recommended that this area be first thinned in the year 2021. The area should be thinned to 80 square feet basal area.

Activity Recommendations

Harvest

Recommended that this area be first thinned in the year 2021. The area should be thinned to 80 square feet basal area. This will be achieved by thinning the weaker and diseased trees first to achieve the 80 square feet basal area.

*Strata 6*

Strata Description

Strata 6 - 42 Acres

Contains stand 9.

This area is 42 acres that is old growth hardwood stand that is being saved to protect the Byway Creek.

Strata Recommendations

No activities for this strata at this time.

*Strata 7*

Strata Description

Strata 7 - 23 Acres

Contains stands 6 and 8.

This is 23 acres of pine chip-n-saw that was planted in 1992, that has been thinned once already.

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Strata Recommendations

Arrangments for this area should be looked at for this area for possible second thinning in the year 2014.

Activity Recommendations

Harvest

The area will be looked at around 2014 for possible need of second thinning.

Harvest

If prices are suitable, it is recommended that the area have a final harvest in the year 2020.

*Strata 8*

Strata Description

Strata 8 - 42 Acres

Contians stand 5.

This area is 42 acres that is 17 years old. It is a pine pulpwood plantation that was harvested, site prepped, and re-planted with loblolly pines in 1994.

Strata Recommendations

Recommended that this area be first thinned in the year 2014. The area should be thinned to 80 square feet basal area.

Activity Recommendations

Harvest

Recommended that this area be first thinned in the year 2014. The area should be thinned to 80 square feet basal area. This will be achieved by thinning the weaker and diseased trees first to achieve the 80 square feet basal area.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

The boundary lines are painted every 4 years in either red or orange boundary paint to make sure the property lines are clearly visible

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Line Recommendations

By keeping lines well painted, it makes it easier to find property lines.

Activity Recommendations

Property Activities

Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property.

*Fire Control*

Line Description

Lines should be pushed and maintained every 4 years.

Line Recommendations

Lines should be pushed and maintained every 4 years

Activity Recommendations

Fire Protection

Due to well kept fire lanes, accessible roads, and good communication with the community makes for easier fire protection.

*Property Roads/Trails*

Line Description

Property roads and trails will be maintained for management and harvesting.

Line Recommendations

These areas should be looked at least every two years for maintained purposes.

Activity Recommendations

Roads

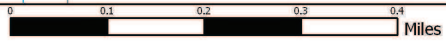
Property roads and trails will be maintained for management and harvesting. This will also help with fire control.

# Dump

**Dump**  
S16-18N-10E  
2012 to 2021  
645



(11/28/2011)





# Dump



**Dump**  
S16-18N-10E  
2012 to 2021  
645



(11/28/2011)

0 0.1 0.2 0.3 0.4 Miles



# Dump

## Property

Property

### Category 1: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood
- Chip-n-Saw
- Sawtimber
- Poles

### Category 2: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood
- Chip-n-Saw
- Sawtimber
- Poles

### Category 3: Non-Forest Stands

- Non-Forest

### Category 4: Not in Plan Stands

- Not in Plan

### Category 5: Features Only Plan Stand

- Features Only Plan

## Restricted Sites

- Archeology
- Cemetery
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant

## Forest Health (Points)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

## Hydrology (Points)

- Concrete Dam
- Beaver Dam
- Earthen Dam
- Permanent
- Temporary
- Wooden
- Other
- Culvert
- Pond

## Wildlife (Points)

- Food Plot
- Water Hole
- Feeder

## Boundary Corners

- Property
- Section
- Quarter Section
- Areas

## Structures

- Barn
- Tractor Shed
- Out Building
- Single-Family
- Multi-Family
- Camp House
- Club House
- Office Building
- Manufacturing
- Warehouse
- Chicken House
- Horse Stall
- Milking Parlor
- Hog Pen
- Blind
- Stand
- Hospital
- Nursing Home
- Dr. Clinic
- State Facility
- Office
- Work Center
- Materials Depot
- Prison
- School
- Church
- Mosque
- Synagogue
- Other

## Cruise Plots

- Pre-Cruise
- Post-Cruise

## Other

- Towers
- Logging Deck
- Locked
- Water
- Oil
- Natural Gas

## Property Roads/Trails

- Drive Ways
- Access Road
- Logging Road
- Skid Trail
- Farm Road
- Hiking Trail
- Horseback Riding Trail

## Boundary Lines

- Archeology
- Cemetery
- Drilling Sites
- Education

## Boundary Lines (cont)

- Forest Health
- Invasive Species
- Management Compartment
- Military Area
- Natural Area
- Property
- Recreation
- Rights of Way
- SMZ
- Special Use
- Stand
- Surface Mining
- Threatened/Endangered Species
- Visual Buffer

## Fire Control

- Temporary Line
- Permanent Fire Break

## Wildlife (Lines)

- Green Strip

## Fire

- Mitigation Burn
- Silviculture Burn
- Site-Prep Burn
- Wildfire

## School Land Lease

- Hunting
- Minerals
- Recreation

## Restricted Area

- SMZ
- Archeology
- Cemetery
- Visual Buffer
- Special Use
- Natural Area
- Education
- Recreation
- Military Area
- Large Utility
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant
- Coal
- Gravel
- Dirt
- Water
- Oil
- Natural Gas

## Forest Health (Polygons)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

## School Land Classification

- Forest Land
- Farm/Residential Land
- Residential Land
- Agricultural Land
- Industrial Land
- Recreational Land
- Catfish Farming Land
- Other Land
- Commercial Land

## Management Compartment

- Management
- Regeneration
- Site Preparation
- Post Plant
- Site Improvement
- Vegetation Control
- Stand Improvement
- Invasive Species Control
- Harvest
- Fire Protection
- Technical
- Wildlife Management
- Property Activities
- Roads
- SMZ
- Forest Health
- Recreation
- Site Restoration

## Transportation (Lines)

- City Streets
- County Roads
- 3 Digit Highway
- Interstate Highway
- US Highway
- State Highway
- Natchez Trace Parkway
- Runways/Airports
- Active RR
- Abandoned RR

## Hydrology (Lines)

- Mississippi River
- Major River
- Primary Stream
- Intermittent Stream
- Canal
- Ditch
- Earthen Dam
- Concrete Dam

## Utilities (Lines)

- Large Electrical
- Local Utility
- Large Pipeline
- Small Pipeline
- Gas Line
- Utility Line
- Water Line



# Activities by Client and FY Report

**Filters Applied:** County: Choctaw  
 Client Class:  
 District:  
 Client: Choctaw BOE  
 STR: 16 18N 10E  
 Year: 2012 Through 2021

Client Name	Year	Activity Name	Practice	STR	Est. Acres	Est. Cost	Est. Revenue
<b>Choctaw BOE</b>							
	<b>2014</b>	<b>Harvest</b>					
			<b>Thin</b>				
				16 18N 10E	14	\$490.00	\$5,040.00
					10	\$350.00	\$1,500.00
				Totals	24	\$840.00	\$6,540.00
				Totals	24	\$840.00	\$6,540.00
				Summary for 'Act_Name' = Harvest			
				Totals	24	\$840.00	\$6,540.00
				Summary for 'PlanYear' = 2014			
				Totals	24	\$840.00	\$6,540.00
	<b>2018</b>	<b>Harvest</b>					
			<b>Thin</b>				
				16 18N 10E	137	\$4,795.00	\$20,550.00
					42	\$1,470.00	\$6,300.00
				Totals	179	\$6,265.00	\$26,850.00
				Totals	179	\$6,265.00	\$26,850.00
				Summary for 'Act_Name' = Harvest			
				Totals	179	\$6,265.00	\$26,850.00
				Summary for 'PlanYear' = 2018			
				Totals	179	\$6,265.00	\$26,850.00
	<b>2020</b>	<b>Harvest</b>					

Client Name	Year	Activity Name	Practice	STR	Est. Acres	Est. Cost	Est. Revenue
			<b>Final</b>				
				16 18N 10E	10	\$350.00	\$16,319.20
					13.57	\$474.95	\$22,145.15
				Totals	23.57	\$824.95	\$38,464.35
				Totals	Summary for 'Act_Name' = Harvest		
					23.57	\$824.95	\$38,464.35
				Totals	Summary for 'PlanYear' = 2020		
					23.57	\$824.95	\$38,464.35
	<b>2021</b>						
		<b>Harvest</b>					
			<b>1st Thin</b>				
				16 18N 10E	109	\$3,815.00	\$16,350.00
				Totals	109	\$3,815.00	\$16,350.00
				Totals	Summary for 'Act_Name' = Harvest		
					109	\$3,815.00	\$16,350.00
				Totals	Summary for 'PlanYear' = 2021		
					109	\$3,815.00	\$16,350.00
				Totals	Summary for 'ClientName' = Choctaw BOE		
				<b>Totals</b>	335.57	\$11,744.95	\$88,204.35
<b>Grand Totals</b>					335.57	\$11,744.95	\$88,204.35